

DECLARATION FOR UNITED STATES PATENT APPLICATION,
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled CONTROL SYSTEM, METHOD AND COMPUTER PROGRAM, the specification of which

☐ is attached hereto.

☐ was filed in the United States Patent and Trademark Office on _____, and given Application Number _____

☒ was filed under the Patent Cooperation Treaty on 9 December 2004, and given Application No. PCT/SE2004/001830, the United States of America having been designated.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a).

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) of §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed
0303384-2	Sweden	15 December 2003	Yes

I HEREBY CLAIM the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Patent Application No.	PCT Patent Application No.	Patent Filing Date	Parent Patent No.

I hereby appoint the registered attorneys and agents of VENABLE LLP associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

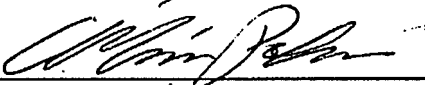
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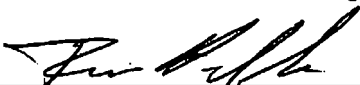
U.S. PATENT AND TRADEMARK OFFICE

VENABLE LLP is located at 575 7th Street, NW, Washington, DC 20004-1601, Telephone: (202) 344-4000, Telefax: (202) 344-8300. Address all correspondence to VENABLE LLP, Post Office Box 34385, Washington, D.C. 20043-9998.

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature:  Date: 29 May 2006
First/Joint Inventor: Christian POLJÉN
Citizenship: Sweden
Residence and Post Office Address: Natt och Dags Allé 61, S-745 93 Enköping, Sweden

Signature:  Date: 30 May 2006
First/Joint Inventor: Fredrik HEDENFALK
Citizenship: Sweden
Residence and Post Office Address: Åsgatan 6B, S-723 37 Västerås, Sweden

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

**Christian POLJÉN
Fredrik HEDENFALK**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: **ABB AB**

Internal Address: _____

Street Address: _____

Kopparbergsvägen 2

City: **Västerås**

State: _____

Country: **SWEDEN** Zip: **S-721 83**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): **May 29 and May 30, 2006, respectively.**

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s): 10/583,091

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

40.00 DA

Additional numbers attached? ☐ Yes ☒ No

05/16/2007 MKAYPAH 00000135 220261 10583091

01 FC:8021

5. Name and address to whom correspondence concerning document should be mailed:

Name: **Eric J. Franklin**

Street Address: **VENABLE LLP
P.O. Box 34385**

City: **Washington**

State: **DC** Zip: **20043-9998**

Phone Number: **(202) 344-4000**

Fax Number: **(202) 344-8300**

Email Address: **ejfranklin@venable.com**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number **22-0261**

Authorized User Name **Eric J. Franklin**

9. Signature:

Signature

May 15 2007

Date

Eric J. Franklin - Reg. No. 37,134

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Christian POLJÉN, Natt och Dags Allé 61, S-745 93 Enköping, Sweden; and Fredrik HEDENFALK, Åsgatan 6B, S-723 37 Västerås, Sweden, hereinafter (collectively) referred to as the assignor, has invented certain improvements relating to CONTROL SYSTEM, METHOD AND COMPUTER PROGRAM for which said assignor has caused an application for United States Letter Patent to be prepared,

- [] the inventor's declaration for said application being executed concurrently with the execution of this instrument;
[] said application to be filed in the United States Patent and Trademark Office;
[] said Non-Provisional application having been filed in the United States Patent and Trademark Office on _____, and given Application Number _____;
[X] said application having been filed under the Patent Cooperation Treaty on 9 December 2004, and given Application No. PCT/SE2004/001830, the United States of America having been designated.

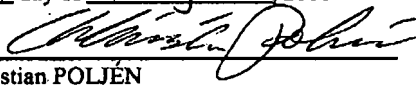
AND WHEREAS ABB AB
 Kopparbergsvägen 2
 S-721 83 Västerås
 Sweden

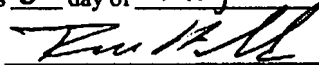
hereinafter referred to as the assignee is desirous of acquiring the entire right, title and interest in and to said application, including any divisions and continuations thereof, and in and to said invention and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said invention and to said application, including any divisions and continuations thereof, and in any patents which may be granted therefor, including any renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said invention and said application, including any divisions and continuations thereof, and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any such patents when granted, including any renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any acts relating to the obtaining or to the asserting of said patents, including any renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 29 day of May, 2006
Signature: 
Name: Christian POLJÉN
Address: Natt och Dags Allé 61, S-745 93 Enköping, Sweden

EXECUTED, this 30 day of May, 2006
Signature: 
Name: Fredrik HEDENFALK
Address: Åsgatan 6B, S-723 37 Västerås, Sweden